

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-2. (Canceled).

3. (Currently Amended) A perforation gun having an outer gun barrel (1), arranged in ~~the~~ an interior of which ~~there are~~ perforators (10) that can be ignited by ~~way of~~ a fuse (11) leading through the gun barrel (1) and after ignition pierce the gun barrel (1) at penetration holes (13), wherein means ~~are provided for~~ automatically closing the penetration holes (13) are provided, and ~~these~~ the means comprise a sliding tube (4) ~~which can be displaced by means of~~ an adjusting arrangement by at least the diameter of the penetration hole (13) holes after the penetration being pierced, characterised in that the sliding tube (4) is arranged coaxially between the perforators (10) and the gun barrel (1).

4. (Currently Amended) A perforation gun according to claim 3, characterised in that the sliding tube (4) is fixed in ~~its~~ a starting position by ~~way of~~ a securing element (7) that breaks up after ignition of the fuse (11) and enables the displacement of the sliding tube (4).

5. (Previously Presented) A perforation gun according to claim 3, characterised in that the adjusting arrangement is a tensioned spring.

6. (Currently Amended) A perforation gun according to claim 3, characterised in that the adjusting arrangement is a pyrotechnic element ~~that can be ignited by means of~~ the fuse (11).

7. (Currently Amended) A perforation gun according to claim 3, characterised in that the sliding tube (4) is closed on ~~the side to~~ an end facing a direction in which it the sliding tube is to be displaced and is open on ~~the other side~~ an opposite end, and as a result can be displaced like a plunger by ~~means of the~~ pressure building up as a result of the ignition of the perforators (10).

8. (Currently Amended) A perforation gun according to claim 3, characterised in that the sliding tube (4) has a wall thickness that permits radial expansion and ~~thus~~ fixation in the gun barrel (1) after the sliding tube (4) has been displaced as a result of ~~the~~ pressure that has built up in the gun barrel (1) after the ignition of the perforators (10).

9. (Currently Amended) A perforation gun according to claim 3, characterised in that a fluid is ~~arranged~~ disposed between the sliding tube (4) and the gun barrel (1).